



Indiana Department of Environmental Management  
Office of Water Quality  
Wetlands Section

Publication Date:  
December 21, 2010

IDEM ID Number:  
2010-591-62-JWR-A

Closing Date:  
January 10, 2010

Corps of Engineers ID Number:  
Not Available

## PUBLIC NOTICE

### To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- |                      |   |                  |   |
|----------------------|---|------------------|---|
| <b>1. Applicant:</b> | Mr. Nathan Saxe<br>Indiana Department of Transportation<br>100 N Senate Avenue, Room N642<br>Indianapolis, IN 46204 | <b>2. Agent:</b> | Mr. Mark Williams<br>INDOT-Vincennes District<br>3650 S US 41N<br>Vincennes, IN 47591 |
|----------------------|---|------------------|---|
- 3. Project location:** NE ¼, S 3, T5S, R2W Perry County, Derby USGS Quad and NE ¼, S12, T6S, R3W, Gatchel USGS Quad. The first structure is located on SR 37 approximately 3.89 miles north of SR 70. The second structure is on SR 37 approximately 4.90 miles south of SR 70.
- 4. Affected waterbody:** Tributary to Snake Branch and Tributary to Deer Creek
- 5. Project Description:** The applicant proposes to slip line two existing structures under SR 37 to extend the serviceable life of the structures. Structure 2 is an existing 54-inch metal pipe approximately 376 feet in length. It is proposed to install a thermoplastic liner into the structure and fill the voids with 3.7 cubic yards of grout. Additionally, approximately 18 linear feet of riprap will be discharged downstream of the structure for scout protection. Structure 3 is an existing 60-inch structure approximately 260 feet in length. It is proposed to install a thermoplastic liner into the structure and fill the voids with 3.5 cubic yards of grout. Additionally, approximately 20 linear feet of riprap will be discharged downstream of the structure for scour protection. A temporary stream pump around will be used to dewater the structures in order to install the liners. No compensatory mitigation is proposed. To view additional information please visit the following webpage:  
<http://www.in.gov/idem/6393.htm>.

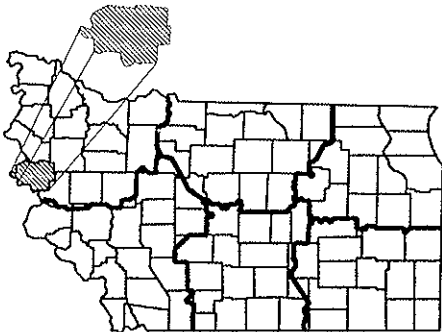
**Comment period:** Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

**Public Hearing:** Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

**Questions?** Additional information may be obtained from Mr. Jason Randolph, Project Manager, at 317-233-0467. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management  
100 North Senate Avenue  
MC65-42 WQS IGCN 1255  
Indianapolis, Indiana 46204-2251  
FAX: 317/232-8406

TRACT NO. M-33428



PROJECT LOCATION SHOWN BY  
PERRY COUNTY

NO. 1005747

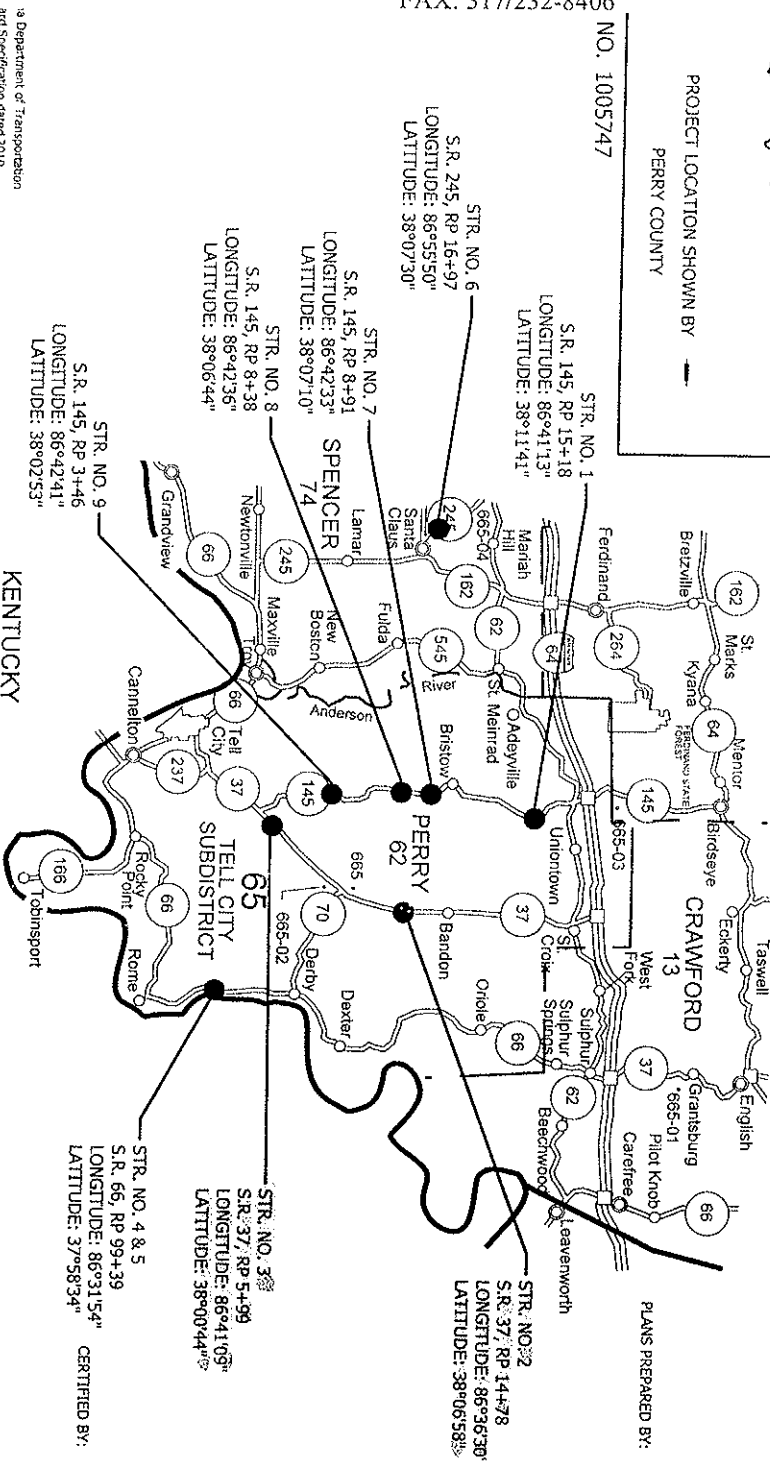
# INDIANA DEPARTMENT OF TRANSPORTATION

## MAINTENANCE

### PROJECT DESCRIPTION PIPE LINING

PROJECT LOCATION  
VARIOUS LOCATIONS IN PERRY COUNTY

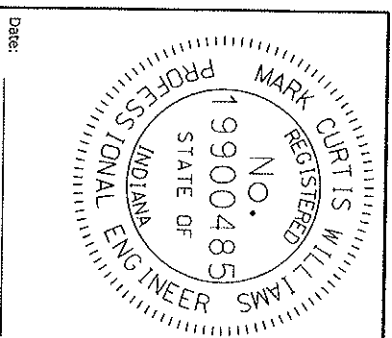
Gross Length      ML.  
Net Length      ML.



PLANS PREPARED BY:

MARK C. WILLIAMS

Federal Road Region 5	
TRAFFIC DATA	
A.D.T. ( )	V.P.
A.D.T. ( ) Proj.	V.P.
D.A.V. ( )	V.P.
Directional Distribution	
Trucks % D.A.V.	% A.D.T.
DESIGN DATA	
Design Speed	
Project Design Criteria	
Functional Class	
Rural/Urban	
Terrain	
LATITUDE:	
LONGITUDE:	



STR. NO. 4 & 5  
S.R. 66, RP 99+39  
LONGITUDE: 86°31'54"  
LATITUDE: 37°58'34"

CERTIFIED BY:

APPROVED FOR LETTING:

Des 1005747 Additional Information

SR 37 RP 14+78:

Perry Co., Derby Quad, Section 3, Township 5S, Range 2W

Stream Name: Unnamed Tributary to Snake Branch Creek

Channel width: 2.5 ft

Channel depth: 0.25 ft

Diameter of pipe liner: 3.70 ft

Permanent Impacts:

Linear Feet of Stream Impact: 18 ft (Riprap), 376 ft (Pipe Liner)

Fill below the Ordinary High Water Mark: Riprap -- 14.24 cys, 0.004 acres

Pipe Liner & Grout -- 3.77 cys, 0.018 acres

Temporary Impacts:

Linear Feet of Stream Impact: 40 ft (Temporary Dikes), 0.002 acres

Fill below the Ordinary High Water Mark: Temporary Dikes -- 0.35 cys

SR 37 RP 5+99:

Perry Co., Gatchel Quad, Section 12, Township 6S, Range 3W

Stream Name: Unnamed Tributary to Deer Creek

Channel width: 6.5 ft

Channel depth: 0.33 ft

Diameter of pipe liner: 4 ft

Permanent Impacts:

Linear Feet of Stream Impact: 20 ft (Riprap), 260 ft (Pipe Liner)

Fill below the Ordinary High Water Mark: Riprap -- 18.01 cys, 0.005 acres

Pipe Liner & Grout -- 3.50 cys, 0.015 acres

Temporary Impacts:

Linear Feet of Stream Impact: 40 ft (Temporary Dikes), 0.006 acres

Fill below the Ordinary High Water Mark: Temporary Dikes -- 0.80 cys

# STRUCTURE NO. 2 DETAIL

(NOT TO SCALE)

ENERGY DISSIPATOR  
60 TONS OF REVETMENT RIPRAP  
ON 50 SYS OF GEOTEXTILE

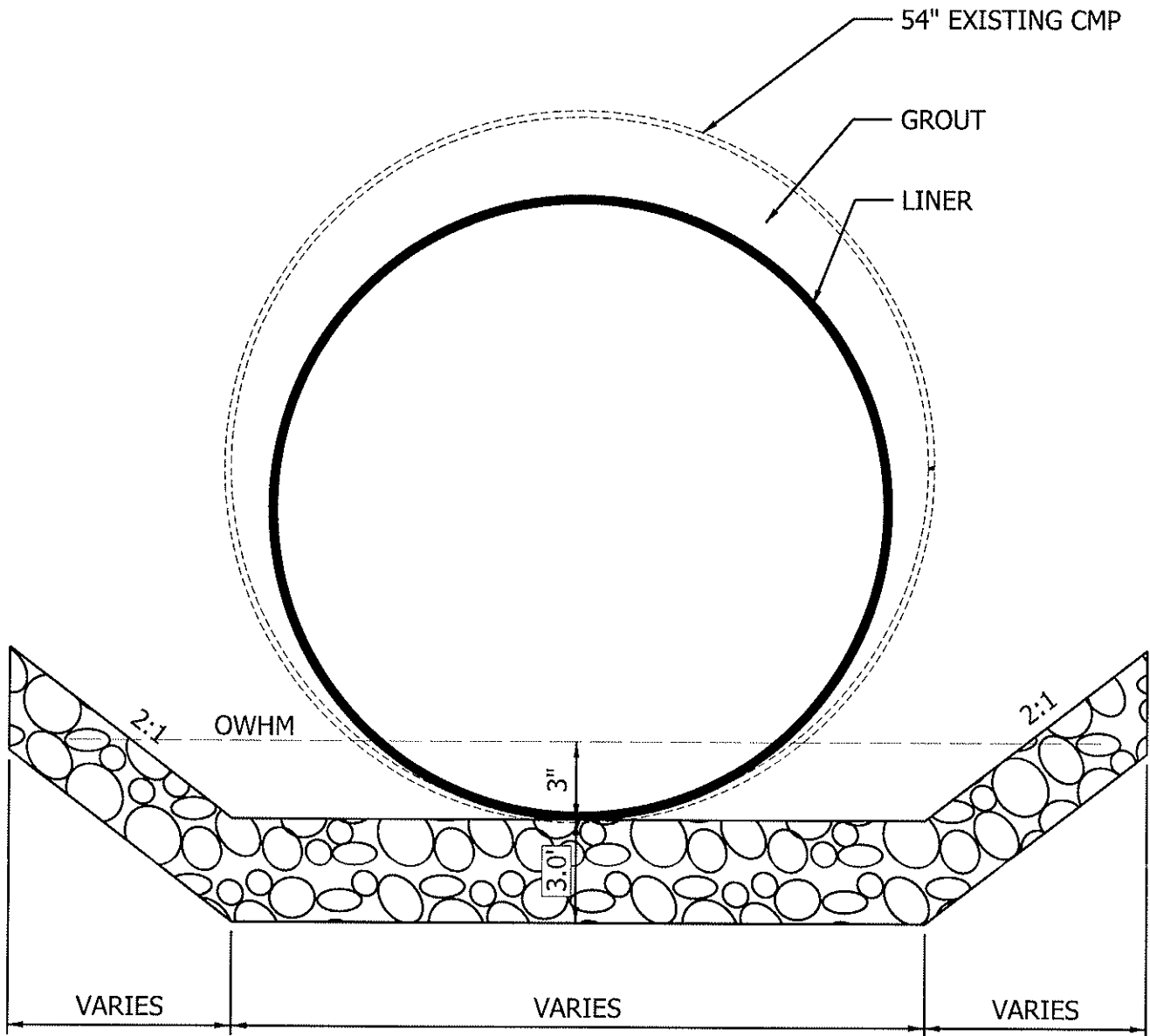
LEOPOLD TWP.  
PERRY CO.

RP 14+78 STR. NO. 2  
EXISTING 376 LFT OF  
54" PIPE. INSTALL LINER

S.R. 37

TEMPORARY DIKE

# PIPE LINER DETAIL

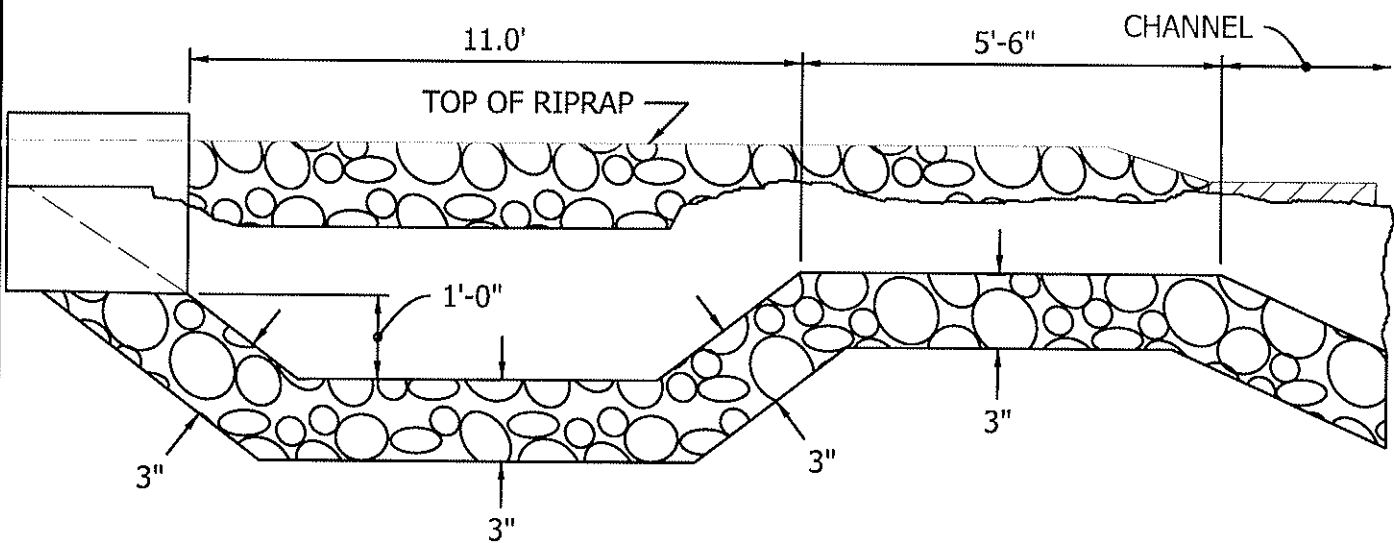
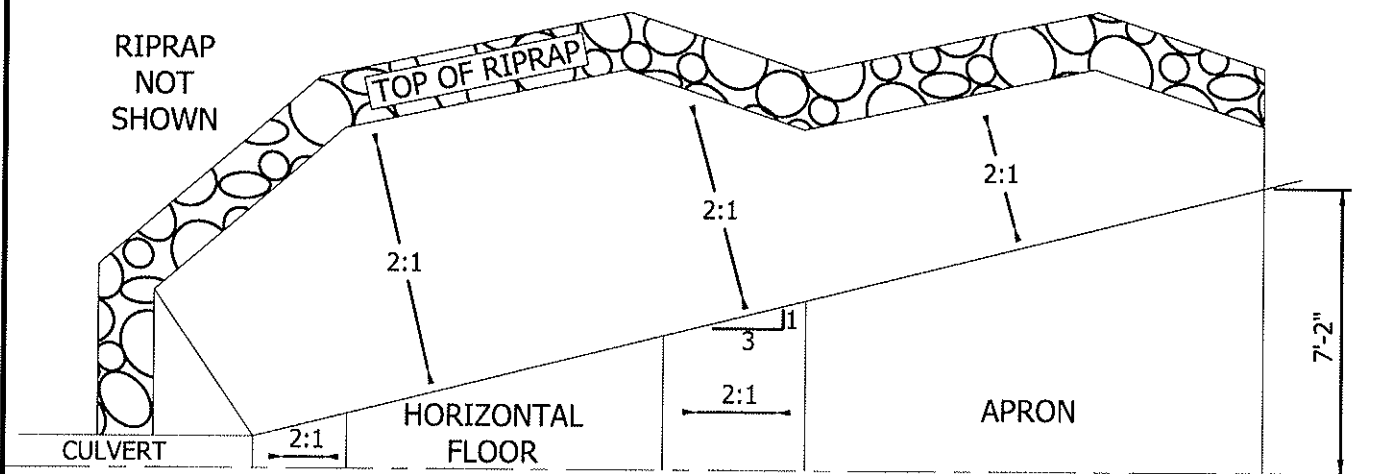


SECTION B - B  
(NOT TO SCALE)

STRUCTURE NO. 2

SR 37

### RIPRAP BASIN & APRON DETAIL



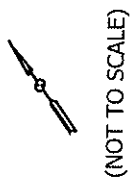
SECTION C - C  
(NOT TO SCALE)

## STRUCTURE NO. 2

SR 37

# STRUCTURE NO. 3 DETAIL

ANDERSON TWP.  
PERRY CO.



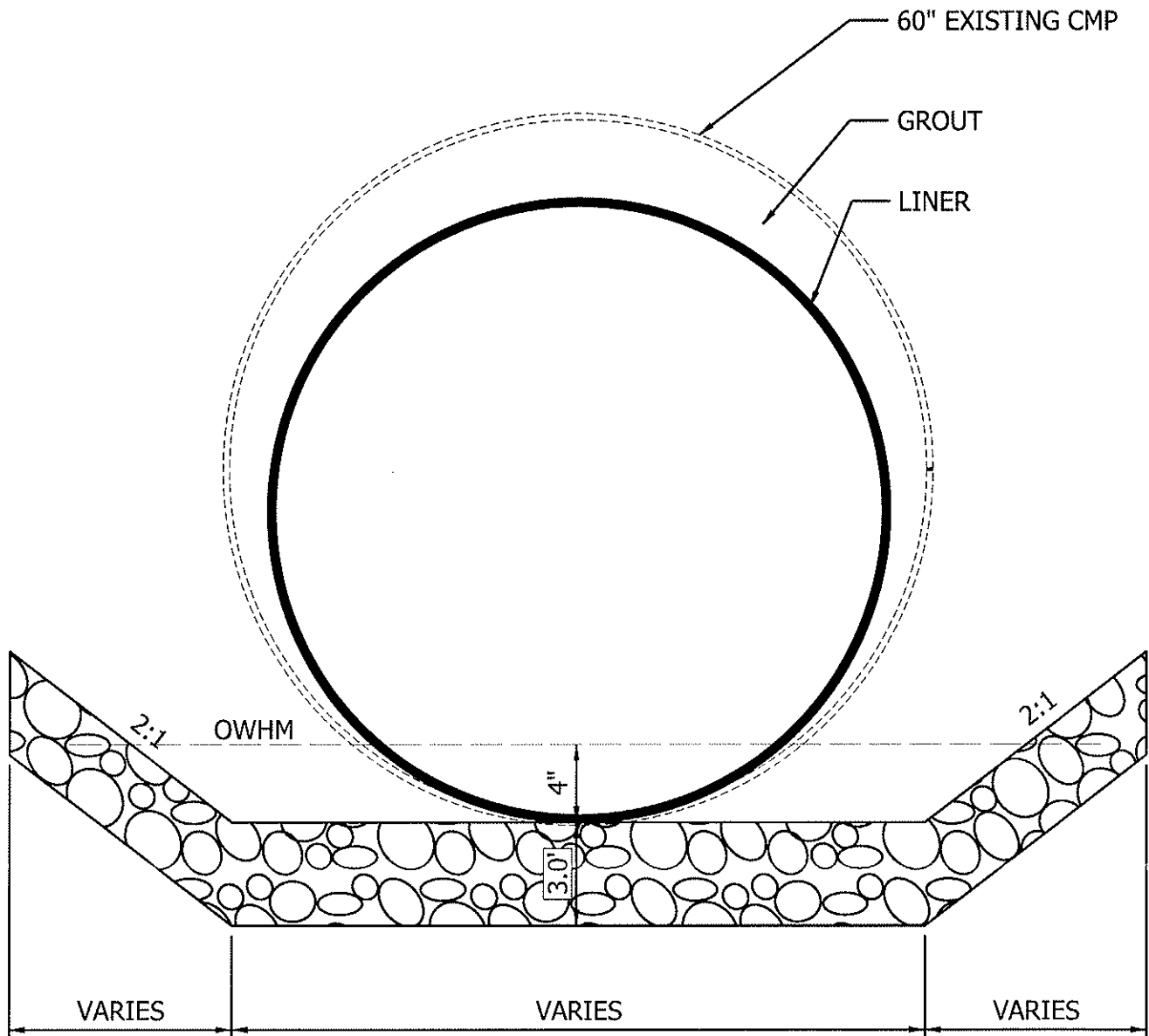
TEMPORARY DIKE

RP 5+99 STR. NO. 3  
EXISTING 260 LFT OF  
60" PIPE. INSTALL LINER

S.R. 37

ENERGY DISSIPATOR  
60 TONS OF REVETMENT RIPRAP  
ON 50 SYS OF GEOTEXTILE

## PIPE LINER DETAIL



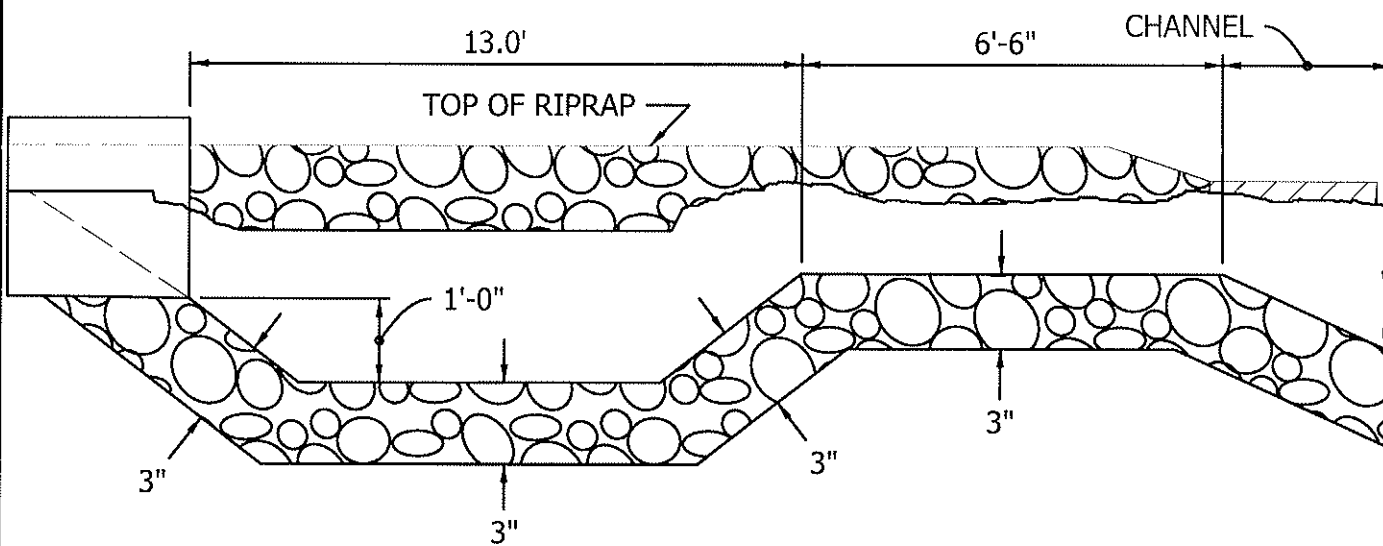
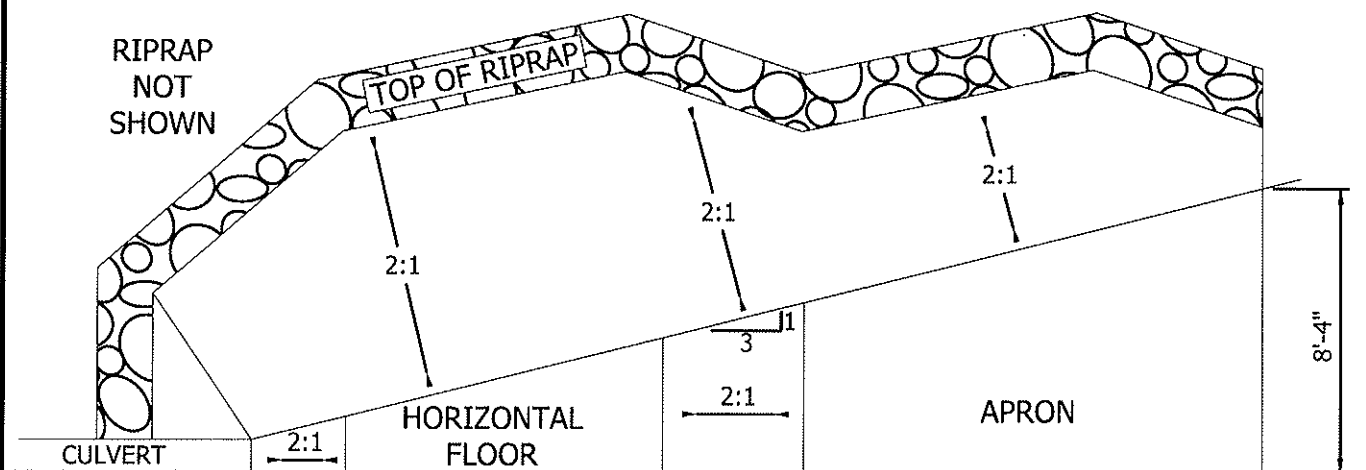
SECTION D - D  
(NOT TO SCALE)

STRUCTURE NO. 3

SR 37



## RIPRAP BASIN &amp; APRON DETAIL



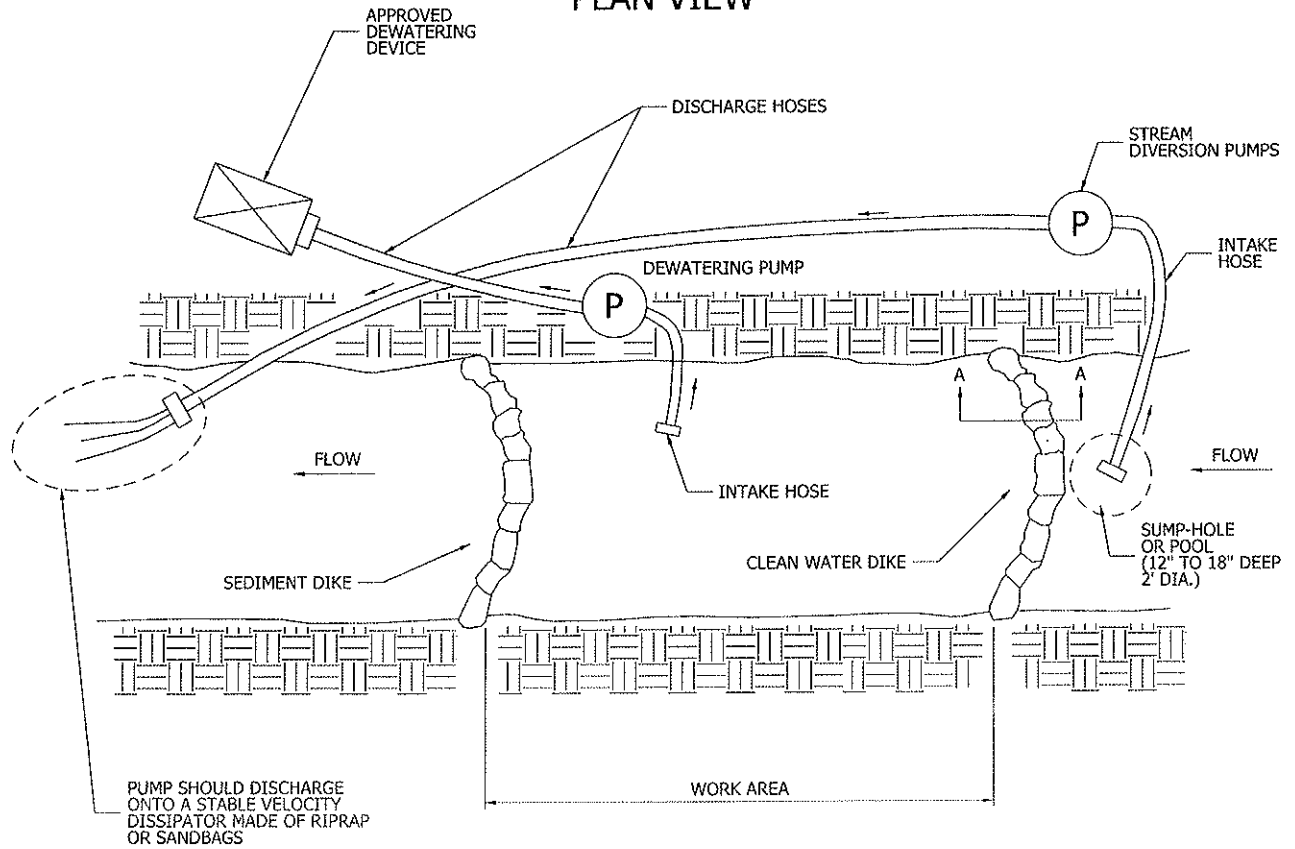
SECTION E - E  
(NOT TO SCALE)

STRUCTURE NO. 3

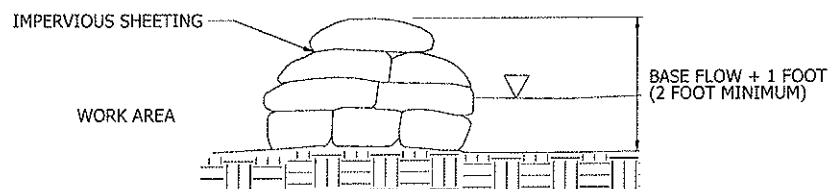
SR 37

## PUMP-AROUND DETAIL

## PLAN VIEW



## SECTION A-A



CROSS SECTION OF SANDBAG DIKE

#### STRUCTURE WORK IN CHANNEL

The method of dewatering the stream channel for the installation of the pipe liner shall be in accordance with the pump-around detail shown on the plans and as described herein. Application for an Army Corps of Engineers Nationwide Permit #33 has been made prior to contract preparation; the pump-around method is the one used in making this application. The Contractor may use an alternate method. Any alternate method will be subject to the approval of the Engineer. If an alternate method is proposed, the Contractor shall make the appropriate permit application or amendment.

The pump-around method shall be in accordance with following:

1. Work in the stream shall begin at the upstream end and proceed downstream unless otherwise approved.
2. Work shall not be conducted during rain events.
3. The erosion and sediment control measures shall be installed and approved before construction on the pump-around can begin. All work shall be performed within the limits of the approved work area. Disturbance within that approved work area shall be minimized.
4. Sandbag dikes shall be installed at the upstream and downstream ends of the work area as shown in then plans. The stream flow shall be pumped around the work area by placing the pump hose through the existing culvert. The pump shall discharge onto a stable velocity dissipater consisting of riprap or sandbags.
5. Water from the work area shall be pumped to a sediment filtering measure such as a dewatering basin, sediment bag, or other approved device. The measure shall be located such that the water drains back into a stabilized area and into the channel below the downstream sandbag dike.
6. Traversing a channel reach with equipment within the work area, where no work is proposed, shall be avoided. If equipment is required to traverse such a reach for access to another area, timber mats or other approved measures shall be used to minimize disturbance to the channel. Temporary stream crossings shall be used only as approved.
7. After the area is completed and stabilized, the dikes shall be removed.
8. A pump-around shall be installed on any tributary or storm drain outfall which contributes base flow to the work area. This shall be accomplished by locating a sandbag dike at the downstream end of the tributary or storm drain outfall and pumping the stream flow around the work area. This water may be discharged onto the same velocity dissipater used for the main stream pump-around.
9. If a tributary is to be restored, construction shall take place on the tributary before work on the main stream reaches the tributary confluence. Construction in the tributary, including pump-around measures, shall follow the same sequence as for the main stream. When construction on the tributary is completed, work on the main stream may resume. Water from the tributary shall continue to be pumped around the work area in the main stream until all work has been completed.

The cost of dewatering the stream channel, including all costs for pump-around measures and any necessary additional permits or amendments, will not be paid for separately but shall be included in the cost of the pipe liner.